

# REPORT DOCUMENTATION PAGE

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14. ABSTRACT This report documents the use of funds awarded by Office of Naval Research (ONR) for the continued operational support of the Research Vessel Pt. Sur and the associated Marine Technician Program for Calendar Year 2010.					
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a. REPORT U	b. ABSTRACT U	c. THIS PAGE U			19b. TELEPHONE NUMBER (include area code) (831) 771-4134

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Office of Naval Research Final Report for *R/V Point Sur* Ship Operations

Grant Number N00014-10-1-0612  
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**Key People Associated With this Grant Proposal:**

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### **Technical Information and Discussion of Work:**

The ONR Ship Operations award, N00014-10-1-0612, was for R/V Point Sur support for the period 1 January 2010 thru 31 December 2010. The R/V Point Sur is owned by the National Science Foundation (NSF) and is operated under a Cooperative Agreement with the NSF and San Jose State University. Moss Landing Marine Laboratories (MLML), where the ship is berthed, is a consortium campus that is part of San Jose State University. The R/V Point Sur is operated in accordance with the standard University National Oceanographic Laboratories System (UNOLS) Research Vessel Safety Standards and was last inspected by Jamestown Marine Services NSF inspection team in June 2009. It was declared at that time to be in compliance with required standards. The details of the operational and technical capabilities of the vessel can be viewed at the ship's website: <http://marineops.mlml.calstate.edu>.

### **Calendar Year 2010:**

During 2010, the R/V Point Sur was used to support the Office of Naval Research (ONR), and Naval Research Lab-Stennis Space Center (NRL) funded projects for a total of 24 days at sea. All costs of operating the vessel were included in the budget such as salaries for crew and shore support, overtime, benefits, maintenance, major overhaul, fuel, food, insurance, supplies and miscellaneous costs such as security, rent, utilities and etc.

The total number of ship days used to support NRL was 14 days. These days encompassed a single cruise (Dr. Bill Teague, PI), which took place primarily within Monterey Bay. The cruise focused on a bio-optical study of the predictability and assimilation of the coastal environment. It involved heavy use of the ship's underway data acquisition system and ADCP instruments. Also, the ship was able to deploy and recover a series of gliders and towed vehicles that were supplied by the science party.

The ONR portion of this funding was limited to 10 days and supported the ONYX program. This project consisted of a single cruise, led by Dr. John Weingart, during which environmental measurements were taken along with acoustic experiments on the SCORE hydro-acoustic range off San Clemente Island. The tests were completed without complication and the ship returned to port on time. The ship's CTD was utilized during this cruise as were the ship's GPS's and other support instrumentation. All functioned without incident and the cruise was considered a success by the principle investigator.

### **Biographical Information on Key Personnel:**

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B.S., Biology, Lewis and Clark College, Portland OR, 1992

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#### **Professional Positions:**

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#### **Kenneth Coale**

Ph.D., Biology, University of California, Santa Cruz 1988

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- Director, Moss Landing Marine Labs, 1998 – Present
- Adjunct Professor of Biochemistry, Moss Landing Marine Labs, 1992-1998
- Lecturer, Institute of Marine Sciences, University of California of Santa Cruz, 1994
- Senior Research Associate, Moss Landing Marine Labs, 1990-1992
- Postdoctoral Researcher, Moss Landing Marine Labs, 1988-1990